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United States Patent [19][11] **Patent Number:** **5,450,619****Maeda**[45] **Date of Patent:** **Sep. 12, 1995****[54] SLIDABLY RETRACTABLE PORTABLE TELEPHONE APPARATUS**

4298125 10/1992 Japan 455/89

[75] **Inventor:** **Koji Maeda**, Tokyo, Japan[73] **Assignee:** **NEC Corporation**, Japan[21] **Appl. No.:** **49,530**[22] **Filed:** **Apr. 20, 1993****[30] Foreign Application Priority Data**

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[51] **Int. Cl.⁶** **H04B 1/38; H04B 1/08**[52] **U.S. Cl.** **455/89; 455/90; 455/348; 455/351; 379/433; 379/440**[58] **Field of Search** 455/39, 90, 154.1, 158.4, 455/344, 348, 349, 350, 351; 379/58, 59, 431, 433, 440, 446, 110**[56] References Cited****U.S. PATENT DOCUMENTS**

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In a portable telephone apparatus, the length of a housing thereof and a display area are altered between the operation and storage or non-operation states thereof, thereby improving operability thereof. In the operating state, the first display and the second display are activated to present information. In the non-operation state, only the first display is activated. In the storage state, to minimize the size of the housing, only the indispensable information items such as the remaining battery power and in-service-area designation are presented, thereby facilitating the apparatus to be accommodated in a small space. In the operation state, the housing is elongated such that the distance between the transmitter and the receiver is similar to that between the mouth and the ear of the user to improve the speech quality in the telephone call. Moreover, the display area is increased to possibly present a dial number inputted.

6 Claims, 5 Drawing Sheets